

CLAIMS

What is claimed is:

1        1. A method of providing access to an object of  
2 a computing environment, said method comprising:

3            requesting access, by a requester, to an  
4 object located in an address space of said  
5 computing environment, said requester being  
6 resident within said address space; and

7            providing access to said object using a  
8 local access proxy located within said address  
9 space.

1        2. The method of claim 1, wherein use of said  
2 local access proxy provides decoupling of one or more  
3 object references to said object from management of  
4 one or more virtual memory copies of said object.

1        3. The method of claim 1, wherein said  
2 requester is one of another object located within  
3 said address space and an object request broker.

1        4. The method of claim 1, wherein said  
2 providing access comprises driving a method on said  
3 object.

1        5. The method of claim 1, further comprising  
2 creating said local access proxy.

1       6. The method of claim 5, wherein said creating  
2 comprises:

3             determining a type of said object being  
4 requested; and

5             obtaining an instance of said local access  
6 proxy of said type.

1       7. The method of claim 6, wherein said  
2 obtaining comprises using a local proxy factory to  
3 provide said instance of said local access proxy.

1       8. The method of claim 6, further comprising  
2 providing a pointer of said instance of said local  
3 access proxy to said requester, wherein said  
4 requester uses said instance of said local access  
5 proxy to access said object.

1       9. The method of claim 1, wherein said providing  
2 access comprises using, by said local access proxy, a  
3 reference to said object to provide access to said  
4 object.

1       10. The method of claim 1, wherein use of said  
2 local access proxy enables said object to be  
3 independent of any object references owned by said  
4 requester.

1        11. A system of providing access to an object  
2        of a computing environment, said system comprising:

3                means for requesting access, by a  
4        requester, to an object located in an address  
5        space of said computing environment, said  
6        requester being resident within said address  
7        space; and

8                means for providing access to said object  
9        using a local access proxy located within said  
10       address space.

1        12. The system of claim 11, wherein use of said  
2        local access proxy provides decoupling of one or more  
3        object references to said object from management of  
4        one or more virtual memory copies of said object.

1        13. The system of claim 11, wherein said  
2        requester is one of another object located within  
3        said address space and an object request broker.

1        14. The system of claim 11, wherein said means  
2        for providing access comprises means for driving a  
3        method on said object.

1        15. The system of claim 11, further comprising  
2        means for creating said local access proxy.

1        16. The system of claim 15, wherein said means  
2        for creating comprises:

3                means for determining a type of said object  
4                being requested; and

5                means for obtaining an instance of said  
6                local access proxy of said type.

1        17. The system of claim 16, wherein said means  
2        for obtaining comprises means for using a local proxy  
3        factory to provide said instance of said local access  
4        proxy.

1        18. The system of claim 16, further comprising  
2        means for providing a pointer of said instance of  
3        said local access proxy to said requester, wherein  
4        said requester uses said instance of said local  
5        access proxy to access said object.

1        19. The system of claim 11, wherein said means  
2        for providing access comprises means for using, by  
3        said local access proxy, a reference to said object  
4        to provide access to said object.

1        20. The system of claim 11, wherein use of said  
2        local access proxy enables said object to be  
3        independent of any object references owned by said  
4        requester.

1        21. A system of providing access to an object  
2 of a computing environment, said system comprising:

3            a requester adapted to request access to an  
4 object located in an address space of said  
5 computing environment, said requester being  
6 resident within said address space; and

7            a local access proxy located within said  
8 address space adapted to provide access to said  
9 object.

1        22. An article of manufacture, comprising:

2            at least one computer usable medium having  
3        computer readable program code means embodied  
4        therein for causing the providing of access to  
5        an object of a computing environment, the  
6        computer readable program code means in said  
7        article of manufacture comprising:

8            computer readable program code means  
9            for causing a computer to request access,  
10        by a requester, to an object located in an  
11        address space of said computing  
12        environment, said requester being resident  
13        within said address space; and

14           computer readable program code means  
15           for causing a computer to provide access to  
16           said object using a local access proxy  
17           located within said address space.

1        23. The article of manufacture of claim 22,  
2        wherein use of said local access proxy provides  
3        decoupling of one or more object references to said  
4        object from management of one or more virtual memory  
5        copies of said object.

1        24. The article of manufacture of claim 22,  
2        wherein said requester is one of another object  
3        located within said address space and an object  
4        request broker.

1        25. The article of manufacture of claim 22,  
2 wherein said computer readable program code means for  
3 causing a computer to provide access comprises  
4 computer readable program code means for causing a  
5 computer to drive a method on said object.

1        26. The article of manufacture of claim 22,  
2 further comprising computer readable program code  
3 means for causing a computer to create said local  
4 access proxy.

1        27. The article of manufacture of claim 26,  
2 wherein said computer readable program code means for  
3 causing a computer to create comprises:

4                computer readable program code means for  
5 causing a computer to determine a type of said  
6 object being requested; and

7                computer readable program code means for  
8 causing a computer to obtain an instance of said  
9 local access proxy of said type.

1        28. The article of manufacture of claim 27,  
2 wherein said computer readable program code means for  
3 causing a computer to obtain comprises using a local  
4 proxy factory to provide said instance of said local  
5 access proxy.

1        29. The article of manufacture of claim 27,  
2 further comprising computer readable program code  
3 means for causing a computer to provide a pointer of  
4 said instance of said local access proxy to said  
5 requester, wherein said requester uses said instance  
6 of said local access proxy to access said object.

1        30. The article of manufacture of claim 22,  
2 wherein said computer readable program code means for  
3 causing a computer to provide access comprises using,  
4 by said local access proxy, a reference to said  
5 object to provide access to said object.

1        31. The article of manufacture of claim 22,  
2 wherein use of said local access proxy enables said  
3 object to be independent of any object references  
4 owned by said requester.

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